

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 10-163536

(43)Date of publication of application : 19.06.1998

(51)Int.Cl.

H01L 33/00

G09F 9/30

G09F 9/33

H01L 27/15

(21)Application number : 08-316688

(71)Applicant : SHARP CORP

(22)Date of filing : 27.11.1996

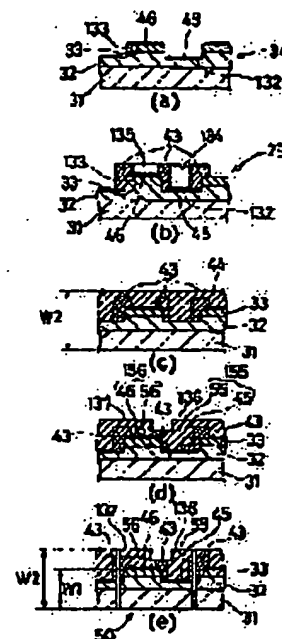
(72)Inventor : KATSURA YOSHINORI

(54) LED DISPLAY APPARATUS AND MANUFACTURE THEREOF

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an LED display apparatus and manufacture thereof which has a simple structure and is efficiently producible.

SOLUTION: An n-type layer 32 is coupled with a p-type layer 33, a part of which is removed, chip electrodes 45, 46 are formed on the layers 32 and 33, and electrically insulated regions 34 are formed on the chip electrodes 45, 46 while leaving upper spaces 134, 135, respectively, which are then filled with a conductive resin applied by a squeegee and the resin is heated to harden, thereby forming a conductive resin layer 44. Part of this resin 44 is removed to form connection electrodes 155, 155 for equalizing the heights W2 of element contact planes 136, 137 of all the LED elements. This allows all the LED elements to be mounted at once to produce an LED display apparatus.



LEGAL STATUS

[Date of request for examination] 14.02.2000

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]